

This listing of claims will replace all prior versions,
and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1 (currently amended): A motor actuation device for actuating an actuated section by a motor, said motor having a rotary shaft to which a worm gear is fixed, a rotation of said worm gear is transmitted through a worm wheel to said actuated section, said motor actuation device comprising:

a first spur gear fixed to said rotary shaft of the motor;
an idle gear being meshed directly with said first spur gear;

a second spur gear being directly meshed with said idle gear;

an impeller ~~rotating with~~ fixed to said second spur gear, said impeller ~~has~~ having a plural plurality of blades which are disposed at a same interval;

a photo sensor for detecting said blade, said photo sensor generating a pulse to calculate an amount of the rotation of said rotary shaft of the motor.

Claim 2 (original): A motor actuation device according to claim 1, wherein said first spur gear is integrally formed with said worm gear.

Claim 3 (original): A motor actuation device according to claim 2, wherein a diameter of said first spur gear is smaller than that of said worm gear.

Claim 4 (original): A motor actuation device according to claim 3, wherein said second spur gear is integrally formed with said impeller.

Claim 5 (original): A motor actuation device according to claim 4, wherein said first spur gear and said second spur gear have a same number of teeth.

Claim 6 (original): A motor actuation device according to claim 5, wherein said photo sensor is a photo interrupter.

Claim 7 (original): A motor actuation device according to claim 6, wherein a spur gear portion is integrally formed with said worm wheel, a rotation caused by said motor is transmitted through said spur gear portion to said actuated section.

Claim 8 (original): A motor actuation device according to claim 7, wherein a diameter of said spur gear portion is smaller than that of said worm wheel.

Claim 9 (original): A motor actuation device according to claim 8, wherein said actuated section is a lens moving mechanism.

Claim 10 (new): The motor actuation device of claim 1, wherein a circle swept out by the blades of the impeller during rotation overlaps with the idle gear that meshes directly with the first spur gear fixed to the rotary shaft of the motor.